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TO FIRM: Examiner Brian J. Gangle  
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FROM NAME: Kellie L. Carden, Reg. No. 52,696  
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MESSAGE Attached please find the following regarding U.S. Patent Application No. 10/564,264:

1. Response to Election/Restriction (6 pages);
2. International Preliminary Report on Patentability (PCT/US2004/021714) (7 pages)
3. Written Opinion of the International Searching Authority (PCT/US2004/021714) (6 pages)
4. Certificate of Transmission (1 page); and
5. Fax Cover Sheet (1 page).

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DATE: July 25, 2007  
TIME:  
CLIENT/MATTER NAME:  
CLIENT/MATTER NO.: 38523.000324

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PTO/SB/97 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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Attorney Docket No. 38523.000324

Application Serial No: 10/564,264

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PATENT  
Attorney Docket No.: 38523.000324

Application Number : 10/564,264 Confirmation No.: 7366  
Applicant : Laurie Anne Winter  
Filed : March 7, 2006  
Title : RECOMBINANT EXPRESSION OF STREPTOCOCCUS  
PYOGENES CYSTEINE PROTEASE AND IMMUNOGENIC  
COMPOSITIONS THEREOF  
TC/Art Unit : 1645  
Examiner: : Brian J. Gangle  
Docket No. : 38523.000324  
Customer No. : 21967

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**RESPONSE TO ELECTION/RESTRICTION**

Commissioner of Patents  
U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed June 25, 2007, Applicants hereby traverse the election requirement and request reconsideration and withdrawal of said election requirement.

**SUMMARY OF ELECTION REQUIREMENT**

The Examiner requires election of one of the following groups:

Group I, claim(s) 1-22, drawn to methods for expressing mature SpeB, using a polycistronic plasmid which comprises a polynucleotide encoding SpeB polypeptide and mature SpeB polypeptide.

Group II, claim(s) 23-29 and 70, drawn to methods for producing mature SpeB comprising expressing SpeB, solubilizing the polypeptide, refolding the polypeptide, and recovering the native mature SpeB.

Group III, claim(s) 30-34, drawn to methods of expressing mature SpeB polypeptide using a polycistronic plasmid comprising a polynucleotide encoding mature SpeB polypeptide and GroEL polypeptide.

Group IV, claim(s) 35-44, drawn to mature SpeB polypeptide.

Group V, claim(s) 45-49, drawn to methods of immunizing against *Streptococcus pyogenes* comprising administering mature SpeB polypeptide.

Group VI, claim(s) 50-52 and 65, drawn to polycistronic plasmids, and host cells comprising said plasmid, comprising polynucleotides encoding SpeB pro-polypeptide and mature SpeB polypeptide.

Application No. 10/564,264  
Attorney Docket No. 38523.000324

Group VII, claim(s) 53-55 and 66, drawn to plasmids, and host cells comprising said plasmid, comprising polynucleotides encoding SpeB pro-polypeptide and mature SpeB polypeptide.

Group VIII, claim(s) 56-58, 62-64, 67, and 39, drawn to polycistronic plasmids, and host cells comprising said plasmid, comprising polynucleotides encoding mature SpeB polypeptide and GroEL polypeptide.

Group IX, claim(s) 59-64, and 68-69, drawn to polycistronic plasmids, and host cells comprising said plasmid, comprising polynucleotides encoding mature SpeB polypeptide, GroEL polypeptide, and GroES polypeptide.

Group X, claim(s) 62-64, 69, and 71 drawn to polycistronic plasmids, and host cells comprising said plasmid, comprising polynucleotides encoding mature SpeB polypeptide and one or more of the polypeptides listed in claim 62.

The Examiner requires election of one of the following species within each named group:

Group I: BLR(DE3)  
BLR(DE3)pLysS  
AD494(DE3)  
AD494(DE3)pLysS  
BL21(DE3)  
BL21(DE3)pLysS  
BL21(DE3)pLysE  
BL21(DE3)pLacI  
BL21IrrB(DE3)  
BL21IrrB(DE3)pLysS  
HMS174(DE3)  
HMS174(DE3)pLysS  
HMS174(DE3)pLysE  
Origami(DE3)  
Origami(DE3)pLysS  
Origami(DE3)pLysE  
Origami(DE3)pLacI  
OrigamiB(DE3)  
OrigamiB(DE3)pLysS  
OrigamiB(DE3)pLysE  
OrigamiB(DE3)pLacI  
Rosetta(DE3)